

ENVIRONMENTAL PROTECTION AGENCY REGION 1
PRELIMINARY ASSESSMENT DECISION RECORD FY 87

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
CTD	145339958

II. SITE NAME AND LOCATION	
01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Krodel Foundry	35 Pearl Lake Road
03 CITY	04 STATE 05 ZIP CODE
Waterbury	CT 06706

DRAFT PA: completed by ☒ FIT (FI-8701-14)
☐ State
☐ EPA
☐ _____

REVIEWED ☐ Site Name
☐ Site ID No.
☐ Existing File
BY _____

DRAFT PRIORITY ASSESSMENT/RECOMMENDATION FOR SITE INSPECTION
☒ High ☐ Medium ☐ Low ☐ None

SUMMARY OF COMMENTS ON DRAFT

a. STATE comments, dated _____, by _____

Summary _____

b. SITE OWNER comments, dated _____, by _____

Summary _____

c. EPA REGION 1 comments, dated _____, by _____

Summary _____

d. _____ comments, dated _____, by _____

Summary _____

FINAL PA DECISION BY EPA PA COORDINATOR:

a. ☒ agree with draft.
b. ☒ Revised draft. Reason The key to ranking is drinking water. None
are near the site. Therefore I suggest revising to med.

c. Final Priority Assessment/Recommendation for Site Inspection
☐ High ☒ Medium ☐ Low ☐ None

d. Final decision made by M. J. Halpin Date 31 March 87

CERCLIS INFORMATION:

a. Site Discovery Date _____ (If not already in CERCLIS)
b. PA Start Date 1/1/87 ; Compl. Date 3/31/87 & FY 87 Quarter 1 2 3 4
c. Entry Date 3/31/87 ; Entered By gfb





19 CROSBY DRIVE
BEDFORD, MASSACHUSETTS 01730
(617) 275-2970

C-583-3-7-113
March 27, 1987

**Preliminary Assessment
Krodel Foundry
Waterbury, Connecticut**

**TDD No. F1-8701-14
Reference No. \$375CTB9PA
CERCLIS No. CTD145339958**

INTRODUCTION

The NUS Corporation Field Investigation Team (NUS/FIT) was requested by the Waste Management Division of the Region I U.S. Environmental Protection Agency (EPA) to perform a Preliminary Assessment of the Krodel Foundry located in Waterbury, Connecticut. This work was completed under Technical Directive Document (TDD) No. F1-8701-14, issued January 7, 1987.

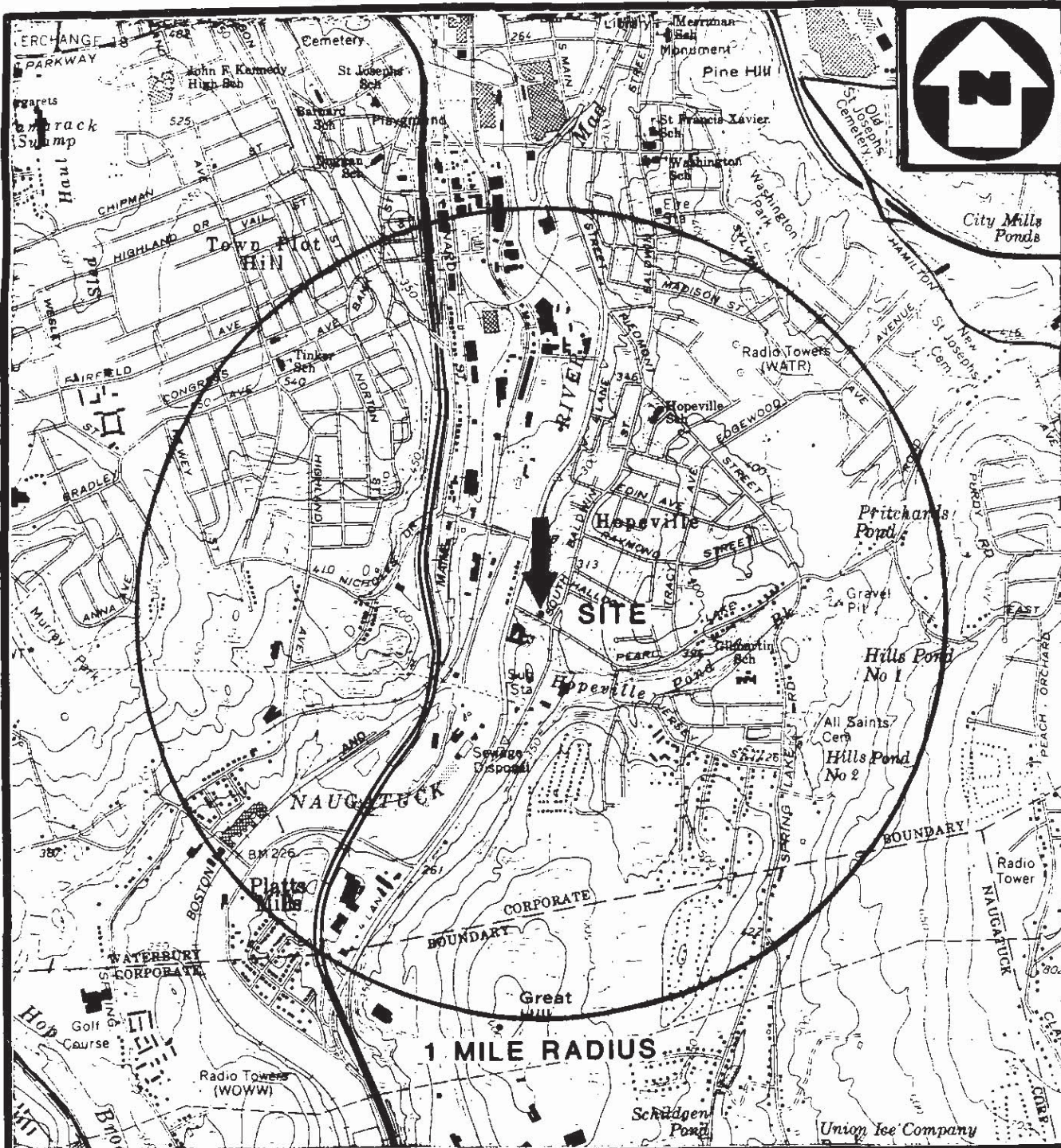
This Preliminary Assessment complies with the requirements set forth under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended; however, it does not necessarily fulfill the requirements of other EPA regulations, such as those under the Resource Conservation and Recovery Act (RCRA). The Preliminary Assessment is not intended to be a definitive study of the site and is not suitable for use in planning site remediation or undertaking enforcement actions against potentially responsible parties. The PA represents the first step of a site screening process set forth by the National Contingency Plan (NCP).

This Preliminary Assessment was conducted as a result of a Connecticut Department of Environmental Protection (CT DEP) site visit that found a lead-contaminated sand casting pile present on the Krodel Foundry property.

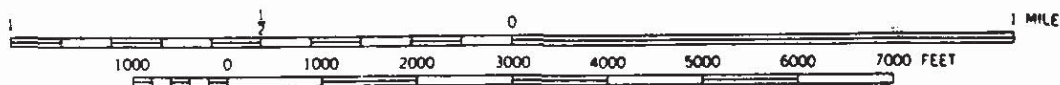
FACILITY DESCRIPTION AND HISTORY

Krodel Foundry was active in brass, bronze, and aluminum casting services from 1937 until 1985 (Dripps, 1987a). Krodel Foundry ceased operations in June 1985. It was owned and operated by Mr. Edward Watkins. It has occupied the 1/2 acre property at 35 Pearl Lake Road in Waterbury, Connecticut (Figure 1) for approximately 50 years.

The Connecticut Department of Environmental Protection conducted a site visit in 1986 at which time a lead-contaminated sand casting pile was found in the rear of the Krodel Foundry property. At the request of the Krodel Foundry owner, HRP Consultants of New Britain, Connecticut, performed a study concerning the hazards associated with the lead-contaminated sand casting pile. Presently, the sand pile is not covered by any type of canopy or cover (Dripps, 1987b, c).



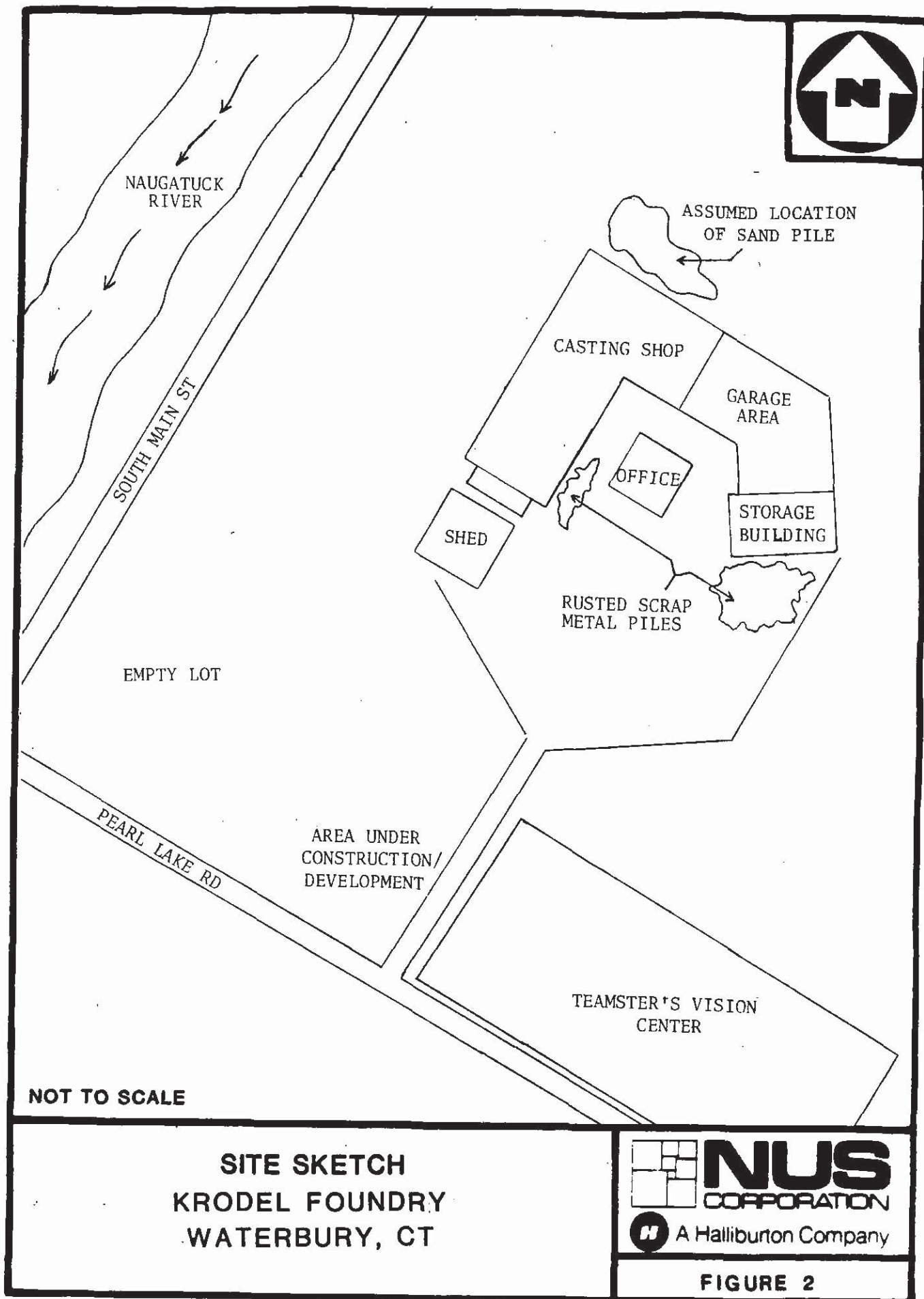
BASE MAP IS A PORTION OF THE FOLLOWING U.S.G.S. 7.5 SERIES QUADRANGLE(S):
 WATERBURY, CT 1968, PHOTOREVISED 1984



LOCATION MAP
KRODEL FOUNDRY
WATERBURY, CT



FIGURE 1



March 27, 1987

The Krodel Foundry facility appeared to be abandoned at the time of the NUS/FIT perimeter survey, thereby confirming reports that operations had ceased. Krodel Foundry consists of a casting shop, an office, a shed, a storage building, and a garage (Figure 2). Two scrape metal piles were identified in front of the storage building and casting shop. The lead-contaminated sand casting pile could not be identified during the NUS/FIT perimeter survey. Access to the Krodel Foundry property is not restricted by physical barriers such as fences.

ENVIRONMENTAL SETTING

The land within a one mile radius of the site is primarily residential, and is highly populated. Small wetland areas are located approximately one mile south and southeast of Krodel Foundry. Pritchard Pond and Hills Ponds are located approximately 0.7 miles east of Krodel Foundry. Hopeville Pond Brook, approximately 400 feet south of the Krodel Foundry property, flows southwest, eventually emptying into the Naugatuck River, which is located approximately 600 feet west of Krodel Foundry (USGS, 1984).

Surface water near the Krodel Foundry property generally flows west toward the Naugatuck River (USGS, 1984). No major wellfields or surface water pumping stations exist within a three mile radius of Krodel Foundry. The nearest public drinking water source is located approximately 10.25 miles northwest of the site and serves 103,615 of the 103,800 Waterbury residents. Approximately 185 people within Waterbury obtain drinking water from private groundwater wells (Sternberg, 1987; Dripps, 1987d).

CONCLUSIONS AND RECOMMENDATIONS

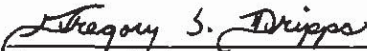
Contamination of the Krodel Foundry property with lead latent casting sand has been confirmed by the Connecticut DEP (Dripps, 1987c). The fact that the contaminated sand pile has not been covered by a canopy enhances the possibility for offsite migration of lead via surface water run-off and wind blown particulates. Direct contact with the contaminated sand pile is also possible since access to the Krodel Foundry is unrestricted.

Potential receptors surrounding the site include the Naugatuck River, Pritchard Pond, Hills Ponds, Hopeville Pond Brook, two marshes, and the dense population surrounding Krodel Foundry.

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NUS Corporation recommends that a high priority Site Inspection be conducted as a result of site contamination and the existence of several potential receptors in close proximity to the site.

Submitted By:



Gregory Dripps
Project Manager

Approval:



R. DiNitto
Regional Manager

GD/rlr

REFERENCES

Dripps G. (NUS/FIT) ,

1987a. Telecon with Diane, last name not given, (Waterbury Chamber of Commerce, CT) Re: Krodel Foundry, TDD No. F1-8701-14, February 12, 1:10 p.m.

1987b. Telecon with Mike Nalipinski (EPA-Boston), Re: Krodel Foundry, TDD No. F1-8701-14, February 12, 1:15 p.m.

1987c. Telecon with Rich Pease (CT DEP), Re: Krodel Foundry, TDD No. F1-8701-14, February 23, 1:55 p.m.

1987d. Telecon with Bill Phelan (Waterbury Water Department, CT), Re: Krodel Foundry, TDD No. F1-8701-14, February 10, 2:00 p.m.

NUS/FIT, 1987 (issued). Logbook No. 87-811. Krodel Foundry, TDD No. F1-8701-14.

Sternberg, H. 1987. Directory of Community Water Supplies in Connecticut. Connecticut Water Use Information Program, Connecticut Department of Environmental Protection, Natural Resources Center.

USGS, 1984. Waterbury, Connecticut Quadrangle. U.S. Geological Survey, 7.5' series (Topographic), 1968, photorevised in 1984.